ADM Agri-Industries Ltd.				5550 Maplewo Essex	ood Drive		Sector: Ministry Office:	Miscellaneous Industrial Windsor
Date	Limit	Unit	Frequency	No. of Exceedances	Min.	Max.	Facility Action	<b>Ministry Action</b>
SUSPENDED PA	ARTIC	ULATI	E MATTEI	R				
Legislation N	lon-Cor	nplian	ce					
January 1, 2009 - December 31, 2009	120	ug/m3	3 24 hour avg	1 exceedance	265	265	Other	Assessment Underway

**Total Legislation Non-Compliance = 1 exceedance Based on Air Dispersion Modeling** 

<b>BP</b> Canada	<b>Energy</b>	<b>Company</b> -
Sarnia		

1182 Plank Rd Sarnia

**Sector:** 

Organic Chemical Manufacturing

Ministry Office: Sarnia

Date	Limit	Unit	Frequency No. of Exceedances	Min.	Max.	<b>Facility Action</b>
CA PROM PIC	THE PURE					

**Ministry Action** 

#### CARBON DISULFIDE

### **Legislation Non-Compliance**

3.5 1.07 2000		, _	• •	
March 27, 2009	330	µg/m3	30min avg	1 exceedance

1555 1555 Other Other Abatement Action Taken

**Total Legislation Non-Compliance = 1 exceedance Based on Air Dispersion Modeling** 

#### **HYDROGEN SULFIDE**

#### **Legislation Non-Compliance**

March 27, 2009	30	$\mu g/m3$	30min avg	1 exceedance	14000	14000	Other	Other Abatement Action Taken
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**Total Legislation Non-Compliance = 1 exceedance Based on Air Dispersion Modeling** 

#### **OPACITY**

### **Legislation Non-Compliance**

January 22, 2009	20	% Opacity	6min avg	1 day of exceedances	100	100	Equipment Modified - Repaired - Replaced or Re- calibrated	Assessment Complete - No Action Required
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**Total Legislation Non-Compliance = 1 day of exceedances** 

#### **TOLUENE**

### **Legislation Non-Compliance**

BP Canada Energy Company - Sarnia

1182 Plank Rd Sarnia **Sector:** 

Organic Chemical Manufacturing

Ministry Office: Sarnia

Date	Limit	Unit I	Frequency N	o. of Exceedances	Min.	Max.	Facility Action	Ministry Action
March 27, 2009	2000	μg/m3	30min avg	1 exceedance	3760	3760	Other	Other Abatement Action Taken

**Total Legislation Non-Compliance = 1 exceedance Based on Air Dispersion Modeling** 

Clean Harbors Canada, Inc. - St.
Clair

4090 Telfer Rd Lots 8 & 9, Concession 10
St. Clair

St. Clair

Sector: Miscellaneous Industrial
Ministry Office: Sarnia

Date	Limit	Unit	Frequency	No. of Exceedances	Min.	Max.	Facility Action	<b>Ministry Action</b>
NAPTHALENE	,							
Policy/Guide	eline No	n-Conf	ormance					
August 18, 2009 - August 25, 2009	36	μg/m3	30min av	g 9 exceedances	50	110	Operational Process Modification	Assessment Underway

**Total Policy/Guideline Non-Conformance = 9 exceedances** 

CM Greenfie	ld Pov	wer C	Corp.	Lots 1-3 Front St. Clair	Conc N	side Bickford	d Line	Sector: Ministry Office:	Miscellaneous Industrial Sarnia
Date	Limit	Unit	Frequency M	No. of Exceedances	Min.	Max.	Facility	Action	Ministry Action
CARBON MONO	OXIDE								
CofA/Permit	Non-C	omplia	nnce						
April 20, 2009	60	ppm	rolling avg	1 exceedance	999.5	999.45	Other		Assessment Underway, Other Abatement Action Taken
September 29, 2009 - September 30, 2009	60	ppm	rolling avg	51 exceedances	60.29	213	Other		Assessment Complete - No Action Required
December 29, 2009	60	ppm	rolling avg	g 2 exceedances	64.12	65.54	Other		Assessment Underway, Other Abatement Action Taken

**Total CofA/Permit Non-Compliance = 54 exceedances** 

East Windson	r Coge	enera	tion Inc.	3150 Wyandotte St E Windsor			Sector: Miscellaneous Industrial Ministry Office: Windsor		
Date	Limit	Unit	Frequency	No. of Exceedances	Min.	Max.	Facility Action	Ministry Action	
CARBON MON	OXIDE								
CofA/Permit	Non-C	omplia	ance						
December 25, 2009	60	ppm	/hr	66 exceedances	63.4	81	Equipment Modified - Repaired - Replaced or Re- calibrated	Assessment Complete - No Action Required, Other Abatement Action Taken	

**Total CofA/Permit Non-Compliance = 66 exceedances** 

IGPC Ethano	ol Inc.			89 Progress Dr Aylmer	r.		Sector: Miscellaneous Industrial Ministry Office: London		
Date	Limit	Unit	Frequency	No. of Exceedances	Min.	Max.	Facility Action	Ministry Action	
ACROLEIN									
CofA/Permit	Non-co	mplia	nce						
January 1, 2009 - November 30, 2009	0.08	μg/m3	3 24hr avg	1 exceedance	0.14	0.14	Action Plan Submitted - Implementing Improvements, Additional Monitoring Underway, Conducting Study	Voluntary Abatement Program Underway	
January 1, 2009 - November 30, 2009	0.24	μg/m3	3 30min avg	g 1 exceedance	0.41	0.41	Action Plan Submitted - Implementing Improvements, Additional Monitoring Underway, Conducting Study	Voluntary Abatement Program Underway	

**Total CofA/Permit Non-compliance = 2 exceedances Based on Air Dispersion Modeling** 

#### **ODOUR**

### **CofA/Permit Non-compliance**

January 1, 2009 - December 31, 2009		Odour Units	10 min avg 1 exceedance	10	10	Action Plan Submitted - Implementing Improvements, Additional Monitoring Underway, Conducting Study	·
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**Total CofA/Permit Non-compliance = 1 exceedance Based on Air Dispersion Modeling** 

2009 Air Emissions Monthly Summary - Southwestern Region

Imperial Oil				602 Christina s Sarnia	St		Sector: Petroleum Refineries Ministry Office: Sarnia		
Date	Limit	Unit F	requency	No. of Exceedances	Min.	Max.	Facility Action	Ministry Action	
<b>OPACITY</b>									
<b>Legislation N</b>	Non-Co	npliance							
February 16, 2009	20	% Opacity	6min avg	1 day of exceedances	86	86	Equipment Modified - Repaired - Replaced or Re- calibrated	Other Abatement Action Taken	
May 05, 2009	20	% Opacity	6min avg	1 day of exceedances	21	27	Action Plan Submitted - Implementing Improvements	Assessment Complete - Incident Resolved	
July 4, 2009 - July 5, 2009	20	% Opacity	6min avg	2 days of exceedances	21	41	Equipment Modified - Repaired - Replaced or Re- calibrated, Operational Process Modification	Assessment Complete - Incident Resolved	
November 29, 2009	20	% Opacity	6min avg	1 day of exceedances	42.5	42.5	Operational Process Modification	Assessment Complete - Incident Resolved	
December 30, 2009	20	% Opacity	6min avg	1 day of exceedances	42.5	42.5	Ceased Operations, Operational Process Modification	Other Abatement Action Taken	

**Total Legislation Non-Compliance = 6 days of exceedances** 

#### **SULPHUR DIOXIDE**

### **Legislation Non-Compliance**

Imperial Oil			2 Christina St urnia		Sector: Petroleum Refineries Ministry Office: Sarnia		
Date	Limit	Unit Frequency No. of E	xceedances Min.	Max.	Facility Action	<b>Ministry Action</b>	
February 01, 2009	830	μg/m3 30min avg 1 exce	eedance 1200.8	1200.8	Operational Process Modification	Other Abatement Action Taken	
April 17, 2009	830	μg/m3 30min avg 1 exce	eedance 1043	1043	Conducting Study, Operational Process Modification	Assessment Complete - Incident Resolved	

**Total Legislation Non-Compliance = 2 exceedances** 

INEOS NOVA Ltd.			872 Tashmoo Ave Sarnia				Sector: Organic Chemical Manufactur Ministry Office: Sarnia		
Date	Limit	Unit	Frequency	No. of Exceedances	Min.	Max.	Facility Action	Ministry Action	
R-134A									
Legislation	Non-Cor	nplian	ce						
October 04, 2009	0	kg	any	1 exceedance	133	133	Equipment Modified - Repaired - Replaced or Re- calibrated	Assessment Underway	

**Total Legislation Non-Compliance = 1 exceedance** 

Ontario Power Generation -Western Waste Management Facility

177 Tie Rd Kincardine Sector:

Miscellaneous Industrial

Ministry Office: Owen Sound

Date	Limit	Unit	Frequency No	o. of Exceedances	Min.	Max.	Facility Action	<b>Ministry Action</b>
CARBON MON	NOXIDE							
CofA/Perm	it Non-C	omplia	nce					
May 28, 2009	50	ppm	30min avg	1 exceedance	51	51	Action Plan Submitted - Implementing Improvements	Provincial Officer's Order Issued
August 23, 2009	50	ppm	30min avg	1 exceedance	50.6	50.6	Action Plan Submitted - Implementing Improvements	Provincial Officer's Order Issued

#### **Total CofA/Permit Non-Compliance = 2 exceedances**

### HYDROCHLORIC ACID (MURIATIC ACID)

### **CofA/Permit Non-Compliance**

January 4, 2009 - January 8, 2009	75	mg/m3	any	2 exceedances	109	167.53	Conducting Study	Assessment Underway, Provincial Officer's Order Issued
February 19, 2009	75	mg/m3	any	1 exceedance	200	200	Action Plan Submitted - Implementing Improvements	Provincial Officer's Order Issued
February 04, 2009	75	mg/m3	any	1 exceedance	91	91	Action Plan Submitted - Implementing Improvements, Additional Monitoring Underway	Assessment Underway, Provincial Officer's Order Issued

# Ontario Power Generation -Western Waste Management Facility

177 Tie Rd Kincardine Sector: Miscellaneous Industrial

Ministry Office: Owen Sound

Date	Limit	Unit Frequency I	No. of Exceedances	Min.	Max.	Facility Action	<b>Ministry Action</b>
May 11, 2009	75	mg/m3 any	1 exceedance	177.5	177.5	Action Plan Submitted - Implementing Improvements	Provincial Officer's Order Issued
June 08, 2009	75	mg/m3 any	1 exceedance	139	139	Action Plan Submitted - Implementing Improvements	Provincial Officer's Order Issued

**Total CofA/Permit Non-Compliance = 6 exceedances** 

#### **OPACITY**

### **CofA/Permit Non-Compliance**

February 22, 2009	5	% Opacity	any	1 day of exceedances	7.87	7.87	Action Plan Submitted - Implementing Improvements	Provincial Officer's Order Issued
February 22, 2009	5	% Opacity	any	1 day of exceedances	8.77	8.77	Conducting Study	Provincial Officer's Order Issued
March 12, 2009	5	% Opacity	any	2 days of exceedances	5	5	Action Plan Submitted - Implementing Improvements	Provincial Officer's Order Issued
March 14, 2009	5	% Opacity	any	2 days of exceedances	5	5.1	Conducting Study	Provincial Officer's Order Issued
April 5, 2009 - April 18, 2009	5	% Opacity	any	4 days of exceedances	5	26.92	Action Plan Submitted - Implementing Improvements	Provincial Officer's Order Issued

Ontario Power Generation -Western Waste Management Facility

177 Tie Rd Kincardine **Sector:** Miscellaneous Industrial

Ministry Office: Owen Sound

Date	Limit	Unit	Frequency	No. of Exceedances	Min.	Max.	Facility Action	<b>Ministry Action</b>
May 12, 2009 - May 13, 2009	5	% Opacit	any y	2 days of exceedances	5.79	16.9	Action Plan Submitted - Implementing Improvements	Provincial Officer's Order Issued

Total CofA/Permit Non-Compliance = 12 days of exceedances

**Ontario Power Generation Inc. -**Lambton

1886 St. Clair Pky Courtright St. Clair

Sector:

**Electric Power Generation** 

Ministry Office: Sarnia

Date	Limit	Unit F	requency 1	No. of Exceedances	Min.	Max.	Facility Action	Ministry Action	
OPACITY									
Legislation Non-Compliance									
January 26, 2009 - January 27, 2009	20	% Opacity	6min avg	2 days of exceedances	21	46.9	Ceased Operations, Operational Process Modification	Assessment Complete - Incident Resolved	
February 12, 2009 - February 28, 2009	20	% Opacity	6min avg	5 days of exceedances	23	46.5	Ceased Operations, Operational Process Modification	Assessment Complete - Incident Resolved	
April 06, 2009	20	% Opacity	6min avg	1 day of exceedances	40.4	40.4	Ceased Operations, Equipment Modified - Repaired - Replaced or Re- calibrated	Assessment Complete - No Action Required	
June 24, 2009	20	% Opacity	6min avg	1 day of exceedances	71.3	100	Other	Other Abatement Action Taken	
July 28, 2009	20	% Opacity	6min avg	1 day of exceedances	21.5	23.4	Operational Process Modification	Assessment Complete - No Action Required	
August 31, 2009	20	% Opacity	6min avg	1 day of exceedances	20.8	25	Other	Assessment Complete - No Action Required	

Ontario Power Generation Inc. - Lambton

1886 St. Clair Pky Courtright St. Clair

Sector:
Ministry Office:

**Electric Power Generation** 

Ministry Office: Sarnia

Date	Limit	Unit Fr	requency N	lo. of Exceedances	Min.	Max.	<b>Facility Action</b>	<b>Ministry Action</b>
September 1, 2009 - September 14, 2009	20	% Opacity	6min avg	4 days of exceedances	20.4	61.6	Equipment Modified - Repaired - Replaced or Re- calibrated	Assessment Complete - No Action Required
October 29, 2009	20	% Opacity	6min avg	1 day of exceedances	22.2	22.4	Equipment Modified - Repaired - Replaced or Re- calibrated	Assessment Complete - Incident Resolved
December 6, 2009 - December 30, 2009	20	% Opacity	6min avg	11 days of exceedances	22.6	49.1	Conducting Study	Assessment Underway

**Total Legislation Non-Compliance = 27 days of exceedances** 

Royal Group	900 Vidal St S Sarnia					Sector: Miscellaneous Industrial Ministry Office: Sarnia		
Date	Limit	Unit	Frequency	No. of Exceedances	Min.	Max.	Facility Action	Ministry Action
VINYL CHLOR	RIDE							
Legislation 1	Non-Co	mplian	ce					
March 14, 2009	1	μg/m	3 /d	1 exceedance	1.6	1.6	Action Plan Submitted - Implementing Improvements	Director's Order Issued

**Total Legislation Non-Compliance = 1 exceedance** 

St. Clair Power, L.P.			West 1/2 of Lo St. Clair	West 1/2 of Lot 22, East 1/4 of Lot 23 St. Clair			Miscellaneous Industrial  ffice: Sarnia	
Date	Limit	Unit	Frequency	No. of Exceedances	Min.	Max.	Facility Action	Ministry Action
CARBON MON	OXIDE	,						
CofA/Permit	Non-C	omplia	ance					
February 12, 2009 - March 31, 2009	60	ppm	24hr avg	23 exceedances	60.43	589.1	Other	Voluntary Abatement Program Underway

### **Total CofA/Permit Non-Compliance = 23 exceedances**

#### **NITROGEN OXIDES**

### **CofA/Permit Non-Compliance**

February 12, 2009 -	41.2	ppm	24hr avg	6 exceedances	41.68	64.66	Other	Voluntary Abatement Program
March 31, 2009								Underway

**Total CofA/Permit Non-Compliance = 6 exceedances** 

St. Marys Cement Inc. (Canada) - 585 Water St S Sector: Industrial Minerals

St. Marys St. Marys Ministry Office: London

Date	Limit	Unit	Frequency No. of Exceedances	Min.	Max.	<b>Facility Action</b>	<b>Ministry Action</b>
OPACITY							

### **Legislation Non-Compliance**

January 4, 2009 -	20	%	6min avg	56 days of	20.1	88.52	Operational Process	Assessment Complete - No
October 3, 2009		Opacity		exceedances			Modification	Action Required

**Total Legislation Non-Compliance = 56 days of exceedances** 

Suncor Ener	gy Pro	oduct	s Inc.	1900 River Rd Sarnia			Sector: Petroleum Refineries Ministry Office: Sarnia		
Date	Limit	Unit	Frequency	No. of Exceedances	Min.	Max.	Facility Action	Ministry Action	
FLUORIDE GA	S								
<b>Legislation</b> N	Non-Co	nplian	ce						
November 20, 2009	17.2	μg/m	3 30min av	g 1 exceedance	18.2	18.2	Action Plan Submitted - Implementing Improvemen	Assessment Complete - No Action Required	

### **Total Legislation Non-Compliance = 1 exceedance**

#### **SULPHUR DIOXIDE**

### **Legislation Non-Compliance**

April 10, 2009 Modification Issued	April 9, 2009 - April 10, 2009	830	μg/m3	30min avg	1 exceedance	1183	1183	Operational Process Modification	Provincial Officer's Order Issued	
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 $Total \ \ Legislation \ \ Non-Compliance = 1 \ exceedance$ 

TransAlta C	orpora	ation	Ltd Sa	Sector: Electric Power Generation Ministry Office: Sarnia				
Date	Limit	Unit	Frequency	No. of Exceedances	Min.	Max.	Facility Action	Ministry Action
NITROGEN OX	KIDES							
CofA/Permi	t Non-C	omplia	ance					
February 04, 2009	36.2	ppm	24hr avg	1 exceedance	38.8	38.8	Operational process modification	Assessment Underway

**Total CofA/Permit Non-Compliance = 1 exceedance** 

# **Waste Management of Canada Corporation**

8039 Zion Rd RR4 Part of Lot 19-20, Conc. 3 Sector:

Miscellaneous Industrial

Ministry Office: Sarnia Warwick

Date	Limit	Unit I	Frequency	No. of Exceedances	Min.	Max.	Facility Action	Ministry Action
SUSPENDED F	PARTIC	ULATE	MATTER					
Legislation	Non-Co	mpliance	e					
April 13, 2009 - April 25, 2009	120	μg/m3	24hr avg	2 exceedances	128	298	Other	Voluntary Abatement Program Underway
May 25, 2009 - May 26, 2009	120	μg/m3	24hr avg	2 exceedances	216	239	Other	Voluntary Abatement Program Underway
August 5, 2009 - August 6, 2009	120	μg/m3	24hr avg	2 exceedances	126	136	Other	Voluntary Abatement Program Underway

**Total Legislation Non-Compliance = 6 exceedances**